Index to Volume 37

Authors

B

Basu, Janet Else, Jerome Namias—pioneering the science of forecasting, 37:190
Beebe, Robert, Phenomena: Funnel clouds illuminated by lightning?, 37:152
Berkman, Joanna, For Spacious Skies: Stop, look, and appreciate, 37:184
Blackadar, Alfred, Using your computer: Air properties on display, 37:210
——, Using your computer: A computer almanac, 37:257
——, Using your computer: Barometers, altimeters, and small computers, 37:154
——, Using your computer: A windchill index and a moon package, 37:318
Blanchard, Duncan, C., The making of a scientist: The life and science of Alfred Woodcock, 37:83
Bohren, Craig, Simple experiments in atmospheric physics: The greenhouse effect: part I, 37:322
——, Simple experiments in atmospheric physics: Polarization of skylight, 37:261
——, Simple experiments in atmospheric physics: Indoor rainbows, 37:95
——, Simple experiments in atmospheric physics: Mixing clouds, 37:147
Brotak, Edward, Audio visuals about the weather: Slide sets, 37:270

C

Campbell, Jim (coauthor), Carolina tornadoes kill 59, 37:140
Case, Robert A. (coauthor), Quietest in 52 years—the Atlantic hurricane season, 37:32
Conover, John H., The Blue Hill Observatory, 37:296
Cottrell, Walt, E. T.—The electronics technicians of the Weather Service, 37:202
Cowen, Robert G., Fulfilling the promises, 37:64

F

Ferguson, Edward (coauthor), Few deaths, little damage—tornado!, 37:25
Forecasting the weather for the Olympics, 37:136
Frisch, Joan V. (coauthor), Tracking women and the weather, 37:176
Fritsch, J. Michael (coauthor), A new understanding of thunderstorms: The mesoscale convective complex, 37:128

G

Gerrish, Harold P. (coauthor), Quietest in 52 years—the Atlantic hurricane season, 37:32
Graves, Leon (coauthor), Using your computer: A windchill index and a moon package, 37:318
Gunther, Emil, Cyclones in the Eastern Pacific, 37:37

H

Hagan, Richard (coauthor), The Great Freeze of '83: Analyzing the causes, 37:304
Hannes, Gerald P. (coauthor), Phenomena: Fire whirls in Oregon, 37:266
Hannes, Susan M. (coauthor), Phenomena: Fire whirls in Oregon, 37:266
Hickcox, David H., Temperature extremes, 37:29
Hughes, Patrick, Weather satellites come of age, 37:68

February 1984	**Pages 1–56**
April 1984	**Pages 57–112**
June 1984	**Pages 113–168**
August 1984	**Pages 169–224**
October 1984	**Pages 225–280**
December 1984	**Pages 281–336**

J

Julian, Lesley T., (coauthor), Tracking women and the weather, 37:176

K

Kinkel, Brian (coauthor), A study of local weather conditions—the effects of the May 30, 1984, eclipse, 37:253

L

LeComte, Douglas, A year of worldwide extremes—floods and droughts, 37:8
Leftwich, Preston W., Jr. (coauthor), Few deaths, little damage—tornado!, 37:25
LeMone, Margaret A. (coauthor), Tracking women and the weather, 37:176
Ludlum, David M., An uneven pattern—the 1982–83 snow season, 37:20
——, Weatherwatch: November and December 1983, 37:42
——, Weatherwatch: January and February 1984, 37:101
——, Weatherwatch: March and April 1984, 37:157
——, Weatherwatch: May and June 1984, 37:214
——, Weatherwatch: July and August 1984, 37:271
——, Inauguration weather, 37:314
——, Weatherwatch: September and October 1984, 37:326

M

Maddox, Robert A. (coauthor), A new understanding of thunderstorms: The mesoscale convective complex, 37:128
McCarthy, John (coauthor), The microburst, Hazard to aircraft, 37:120
Meisner, Bernard (coauthor), Using your computer: A windchill index and a moon package, 37:318
Middleton, Paulette, Acid rain control: Going beyond SO_2, 37:242

Index to Volume 37

Authors

B

Basu, Janet Else, Jerome Namias—pioneering the science of forecasting, 37:190
Beebe, Robert, Phenomena: Funnel clouds illuminated by lightning?, 37:152
Berkman, Joanna, For Spacious Skies: Stop, look, and appreciate, 37:184
Blackadar, Alfred, Using your computer: Air properties on display, 37:210
——, Using your computer: A computer almanac, 37:257
——, Using your computer: Barometers, altimeters, and small computers, 37:154
——, Using your computer: A windchill index and a moon package, 37:318
Blanchard, Duncan, C., The making of a scientist: The life and science of Alfred Woodcock, 37:83
Bohren, Craig, Simple experiments in atmospheric physics: The greenhouse effect: part I, 37:322
——, Simple experiments in atmospheric physics: Polarization of skylight, 37:261
——, Simple experiments in atmospheric physics: Indoor rainbows, 37:95
——, Simple experiments in atmospheric physics: Mixing clouds, 37:147
Brotak, Edward, Audio visuals about the weather: Slide sets, 37:270

C

Campbell, Jim (coauthor), Carolina tornadoes kill 59, 37:140
Case, Robert A. (coauthor), Quietest in 52 years—the Atlantic hurricane season, 37:32
Conover, John H., The Blue Hill Observatory, 37:296
Cottrell, Walt, E. T.—The electronics technicians of the Weather Service, 37:202
Cowen, Robert G., Fulfilling the promises, 37:64

F

Ferguson, Edward (coauthor), Few deaths, little damage—tornado!, 37:25
Forecasting the weather for the Olympics, 37:136
Frisch, Joan V. (coauthor), Tracking women and the weather, 37:176
Fritsch, J. Michael (coauthor), A new understanding of thunderstorms: The mesoscale convective complex, 37:128

G

Gerrish, Harold P. (coauthor), Quietest in 52 years—the Atlantic hurricane season, 37:32
Graves, Leon (coauthor), Using your computer: A windchill index and a moon package, 37:318
Gunther, Emil, Cyclones in the Eastern Pacific, 37:37

H

Hagan, Richard (coauthor), The Great Freeze of '83: Analyzing the causes, 37:304
Hannes, Gerald P. (coauthor), Phenomena: Fire whirls in Oregon, 37:266
Hannes, Susan M. (coauthor), Phenomena: Fire whirls in Oregon, 37:266
Hickcox, David H., Temperature extremes, 37:29
Hughes, Patrick, Weather satellites come of age, 37:68

February 1984	**Pages 1–56**
April 1984	**Pages 57–112**
June 1984	**Pages 113–168**
August 1984	**Pages 169–224**
October 1984	**Pages 225–280**
December 1984	**Pages 281–336**

J

Julian, Lesley T., (coauthor), Tracking women and the weather, 37:176

K

Kinkel, Brian (coauthor), A study of local weather conditions—the effects of the May 30, 1984, eclipse, 37:253

L

LeComte, Douglas, A year of worldwide extremes—floods and droughts, 37:8
Leftwich, Preston W., Jr. (coauthor), Few deaths, little damage—tornado!, 37:25
LeMone, Margaret A. (coauthor), Tracking women and the weather, 37:176
Ludlum, David M., An uneven pattern—the 1982–83 snow season, 37:20
——, Weatherwatch: November and December 1983, 37:42
——, Weatherwatch: January and February 1984, 37:101
——, Weatherwatch: March and April 1984, 37:157
——, Weatherwatch: May and June 1984, 37:214
——, Weatherwatch: July and August 1984, 37:271
——, Inauguration weather, 37:314
——, Weatherwatch: September and October 1984, 37:326

M

Maddox, Robert A. (coauthor), A new understanding of thunderstorms: The mesoscale convective complex, 37:128
McCarthy, John (coauthor), The microburst, Hazard to aircraft, 37:120
Meisner, Bernard (coauthor), Using your computer: A windchill index and a moon package, 37:318
Middleton, Paulette, Acid rain control: Going beyond SO_2, 37:242

Miller, John M., acid rain, 37:233
Mitchell, J. Murray, Introduction, The Blue Hill Observatory, 37:296
Mogil, H. Michael (coauthor), The Great Freeze of '83: Analyzing the causes, 37:304

N

Niziol, Thomas, A case study: Great Lakes satellite imagery, 37:74

O

Office of Technological Assessment, Balancing the risks: What do we know? 37:240
Ostby, Frederick P. (coauthor), Few deaths, little damage—tornado!, 37:25

P

Popham, Robert W., A personal eye in space: Satellite direct readout, 37:76

R

Rao, Joe, An annular solar eclipse, 37:86

S

Schlatter, Thomas, Weather queries: Barometric readings, 37:94
——, Weather queries: Using the "K index" . . . heat islands, 37:144
——, Weather queries: "Shelf" and "roll clouds, 37:208
——, Weather queries: Measuring humidity, 37:268
——, Weather queries: Firnspiegel: An "ice mirror", 37:317
Semonin, Richard G. (coauthor), Acid rain trends?, 37:250
Serafin, Robert (coauthor), The microburst: Hazard to aircraft, 37:120
Stensland, Gary J. (coauthor), Acid rain trends?, 37:250
Stern, Andrew (coauthor), The Great Freeze of '83: Analyzing the causes, 37:304

T

Taylor, Edward F., Joanne Simpson: Pathfinder for a generation, 37:182
——, Behind the byline: David M. Ludlum, 37:309
The Atmospheric Environment: An Agenda for Action, 37:90
Trapasso, L. Michael (coauthor), A study of local weather conditions—the effects of the May 30, 1984, eclipse, 37:253

W

Williams, Jack, ". . . to outguess the wind," 37:288
Winterling, George A., The Great Freeze of '83: . . . and the effects, 37:304
Witten, Donald (coauthor), Carolina tornadoes kill 59, 37:140

Covers (Chronological order)

February 1984: The Weather of '83—Special Issue
April 1984: Weather satellite infrared image, NOAA
June 1984: Thunderstorm near Boulder, Colorado, Henry Lansford
August 1984: Sunset over the Tucson Mountains, Craig F. Bohren
October 1984: Acid Rain—Special Issue
December 1984: Launch of the *Rosie O'Grady*, Skyline Associates

Subjects

Acid Rain
Acid rain, 37:233
Acid rain control: Going beyond SO_2, 37:242
Acid rain trends?, 37:250
Balancing the risks: What do we know?, 37:240

Atmospheric Circulation
A new understanding of thunderstorms: The mesoscale convective complex, 37:128
A year of worldwide extremes—floods and droughts, 37:8
Carolina tornadoes kill 59, 37:140
Jerome Namias—pioneering the science of forecasting, 37:190
The Atmospheric Environment: An Agenda for Action, 37:90
The Great Freeze of '83, 37:304
The microburst: Hazard to aircraft, 37:120
". . . to outguess the wind," 37:288

Clouds
A case study: Great Lakes satellite imagery, 37:74
For Spacious Skies: Stop, look, and appreciate, 37:184
Weather queries: "Shelf" and "roll" clouds, 37:208

Cold Weather
A year of worldwide extremes—floods and droughts, 37:8
An uneven pattern—the 1982–83 snow season, 37:20
Temperature extremes, 37:29
The Great Freeze of '83, 37:304

Computers
Using your computer: A computer almanac, 37:257
Using your computer: A windchill index and a moon package, 37:318
Using your computer: Air properties on display, 37:210
Using your computer: Barometers, altimeters, and small computers, 37:154

Eclipses
A study of local weather conditions— the effects of the May 30, 1984 eclipse, 37:253
An annular solar eclipse, 37:86

Equipment
Forecasting the weather for the Olympics, 37:136
The electronics technicians of the Weather Service, 37:202

Films
Audio visuals about the weather: Slide sets (Radar Imagery, Tropical Convective Clouds, Tropical Satellite Imagery, Mesoscale Satellite Imagery, Mid-Latitude Synoptic Scale Satellite Imagery, General Slide), 37:270

Forecasting
Jerome Namias—pioneering the science of forecasting, 37:190

Historical Meteorology
The Blue Hill Observatory, 37:296
Inauguration weather, 37:314
Jerome Namias—pioneering the science of forecasting, 37:190
Joanne Simpson: Pathfinder for a generation, 37:182
The making of a scientist: The life and science of Alfred Woodcock, 37:83

Hurricanes
Cyclones in the Eastern Pacific, 37:37
Quietest in 52 years—the Atlantic hurricane season, 37:32

Hot Weather
A year of worldwide extremes—floods and droughts, 37:8
Temperature extremes, 37:29

Lightning
Phenomena: Funnel clouds illuminated by lightning?, 37:152

Meteorologists
Behind the byline: David M. Ludlum, 37:309
Jerome Namias—pioneering the science of forecasting, 37:190
Joanne Simpson: Pathfinder for a generation, 37:182
The making of a scientist: The life and science of Alfred Woodcock, 37:83
Tracking women and the weather, 37:176

Phenomena
Fire whirls in Oregon, 37:266
Funnel clouds illuminated by lightning?, 37:152

Precipitation
A new understanding of thunderstorms: The mesoscale convective complex, 37:128
A year of worldwide extremes—floods and droughts, 37:8
Acid rain, 37:233
Acid rain control: Going beyond SO_2, 37:242
Acid rain trends?, 37:250
An uneven pattern—the 1982–83 snow season, 37:20
Balancing the risks: What do we know?, (acid rain), 37:240
The microburst: Hazard to aircraft, 37:120

Rainbows
Simple experiments in atmospheric physics: Indoor rainbows, 37:95

Satellites
A case study: Great Lakes satellite imagery, 37:74
A personal eye in space: Satellite direct readout, 37:76
Fulfilling the promises, 37:64
Weather satellites come of age, 37:68

Simple Experiments in Atmospheric Physics (chronological order)
Indoor rainbows, 37:95
Mixing clouds, 37:147
Polarization of skylight, 37:261
The greenhouse effect: Part I, 37:322

Snow
An uneven pattern—the 1982–83 snow season, 37:20
Temperature extremes, 37:29
The Great Freeze of '83, 37:304

Thunderstorms
A new understanding of thunderstorms: The mesoscale convective complex, 37:128
The microburst: Hazard to aircraft, 37:120

Tornadoes
Carolina tornadoes kill 59, 37:140
Cyclones in the Eastern Pacific, 37:37
Few deaths, little damage—tornado!, 37:25

Weather Queries (chronological order)
Barometric readings, 37:94
Firnspiegel: An "ice mirror", 37:317
Measuring humidity, 37:268
"Shelf" and "roll" clouds, 37:208
Using the "K index" . . . heat islands, 37:144

Weatherwatch (chronological order)
November and December 1983, 37:42
January and February 1984, 37:101
March and April 1984, 37:157
May and June 1984, 37:214
July and August 1984, 37:271
September and October 1984, 37:326

Wind
". . . to outguess the wind," 37:288
The microburst: Hazard to aircraft, 37:120

Announcing the tenth edition. . .

Curricula in the Atmospheric, Oceanic, and Related Sciences: 1984

Colleges and Universities in the United States and Canada

ISBN 0-933876-59-9

This new and expanded version of the Society-sponsored series of biennial reports on academic curricula surveying U.S. and Canadian colleges and universities offering degrees or majors in the atmospheric sciences, physical or dynamical oceanography, and hydrology is cosponsored by the University Corporation for Atmospheric Research.

The report includes information for 99 schools on academic and key research personnel, types of degrees granted, undergraduate and/or graduate courses and credits, types of financial support, research programs and their principal investigators, numbers of degrees granted, and descriptions of special facilities. A summary consolidation of key data is included.

The educational and reference information contained in this volume is an indispensable resource to prospective students, to those involved in career planning and counseling, and to the entire atmospheric, oceanographic, and hydrologic community.

Over 350 pages—price $12.00

(add $2.00 postage/handling)

Send orders and remittance to:

American Meteorological Society
45 Beacon Street, Boston, MA 02108